



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

July 1, 2019

Georgia Anastasiou
Agent for Kemira Chemicals, Inc.
Kemira Chemicals, Inc.
c/o Lewis & Harrison, LLC
2461 S. Clark St., Suite 710
Arlington, VA 22202

Subject: PRIA Label and CSF Amendment – Revise label and formula
Product Name: FENNOSURF 586
EPA Registration Number: 9386-49
Application Date: February 27, 2019
Decision Number: 546270

Dear Ms. Anastasiou:

The amended label and CSF(s) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 06/26/2019
- Alternate CSF 1 thru 4 dated 06/26/2019

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process.

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Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Mohammad Alavi by phone at (703) 347-0522, or via email at Alavi.mohammad@epa.gov.

Sincerely,



Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
PULP AND PAPER MILLS: FENNOSURF 586 can be used as a microbiocide in the manufacture of paper and paperboard that contacts food.

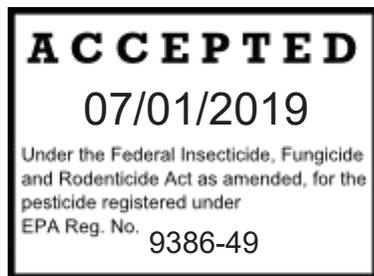
This product must be applied in conjunction with an EPA registered sodium hypochlorite (12.5% a.i.) and a closed delivery system at a pH of ≥ 12 to form monochloramine, a slower acting less aggressive oxidizing microbiocide. The products are added to dilution water to achieve a minimum molar ratio of 1.5:1.0 product to 1.0 of ammonia to oxidant, and this ratio is obtained by combining 0.6 fluid ounces of FENNOSURF 586 to 1 fluid ounce of an EPA registered sodium hypochlorite (12.5% a.i.). To ensure both handling safety and effectiveness, the monochloramine solution must be generated and fed into the treatment water systems through a closed chemical feed skid at a pH of ≥ 12 only by a trained Kemira representative. Use of this product for any other purposes or contrary to the use directions specified below is prohibited.

Dosage Rates: When noticeably fouled, apply sufficient product and an EPA registered sodium hypochlorite to achieve a total chlorine residual of at least 1 ppm in excess of the system oxidant demand. Once control is achieved, treatment rates can be reduced to sub-demand rates from 50% to 80% of system demand. The product is added to the system continuously or intermittently as needed to any area of the system where uniform mixing can be obtained.

For intermittent treatment mix 0.6 fluid ounces of FENNOSURF 586 to 1 fluid ounce of an EPA registered sodium hypochlorite (12.5% a.i.). Apply solution at a rate to obtain 1 to 2 ppm in excess of the system oxidant demand (maximum of 5 ppm measured) as total chlorine in the process water or stock being treated for 5 to 60 minutes every 1 to 6 hours. The frequency of feeding and the duration of treatment will depend on the severity of the problem. Badly fouled systems must be cleaned before initial treatment.

For continuous treatment mix 0.6 fluid ounces of FENNOSURF 586 to 1 fluid ounce of an EPA registered sodium hypochlorite (12.5% a.i.). Apply solution at a rate to obtain at least 1 ppm in excess of system oxidant demand (maximum of 5 ppm) measured as total chlorine in the process water or stock being treated on a continuous basis. The frequency of feeding and the duration of treatment will depend on the severity of the problem. Badly fouled systems must be cleaned before initial treatment.

If chloramine is detected in the effluent, it can be neutralized by addition of sodium meta bisulfite until the chloramine is no longer detected.



FENNOSURF 586

Microbiocide for controlling algal, bacterial and fungal deposits in influent water systems and all process water systems used for the manufacture of paper and paperboard products.

Active Ingredient	
Ammonium Sulfate	29.50%*
Inert Ingredients:	70.50%
TOTAL:	100.00%

*Equivalent to 7.59% Total Ammonia

KEEP OUT OF REACH OF CHILDREN

CAUTION

First Aid	
If swallowed:	- Call poison control center or doctor immediately for treatment advice - Have person sip a glass of water, if able to swallow. - Do not induce vomiting unless told to do so by the poison control center or doctor. - Do not give anything by mouth to an unconscious person.
If on skin or clothing:	- Take off contaminated clothing. - Rinse skin immediately with plenty of water for 15 to 20 minutes. - Call a poison control center or doctor immediately for treatment advice.
If in eyes:	- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. - Call a poison control center or doctor for further treatment advice.
If inhaled:	- Move person to fresh air. - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth is possible.
Have the product container or label with you when calling a Poison Control Center (1-800-222-1222) or doctor or going for treatment. You may also contact CHEMTREC at 1-800-424-9300.	

Sold By

Kemira

KEMIRA CHEMICALS, INC.
1000 PARKWOOD CIRCLE SUITE 500
ATLANTA, GA 30339

EPA REG. No. 9386-49

EPA EST. No. 9386-GA-3

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Avoid breathing vapor. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact you State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS: Direct mixing of this product with sodium hypochlorite solutions and other strong oxidizing and alkali chemicals will release hazardous gases. Only mix with other chemicals or materials solutions following the Directions for Use of this product.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Keep container tightly closed. Store in a dry place. Leaking or damaged containers should be placed in overpack containers for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

PESTICIDE DISPOSAL: Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste representative at the nearest EPA Regional office for guidance. Clean equipment and/or dispose of equipment wash water in a manner to avoid contamination of water resources.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for reconditioning, if appropriate. Open dumping is prohibited. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Rinsate can be added directly into process water without reacting it with sodium hypochlorite. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LABEL DATE: 17-JUNE-19

LOT#: _____

NET WT.: _____ Pounds (DENSITY: 9.8 LBS/GAL)